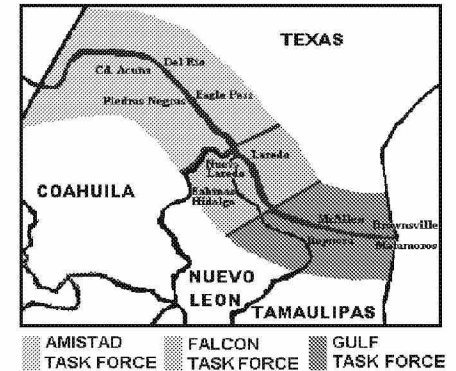


BORDER 2020

2015-2016 Action Plan

TX-COAH-TAMP-NL Regional Workgroup

September 2015



The **Four-State Regional Workgroup** is the most complex of the four regional workgroups, because of its geographical extension and the number of municipalities. The region includes parts of three states and a total of at least 29 municipalities on the Mexican side, and 168 cities and towns on the U.S. side. Recognizing this, the workgroup divided itself into three geographically-based Task Forces—Amistad, Falcon, and Gulf, each of which has established subject-specific committees related to its priority concerns.

During the first half of 2015, the three task forces held meetings to discuss initial priorities for the 2015-2016 Action Plan. Several conference calls with leaders were held in June 2015 to develop a consensus of priorities at the task force and regional workgroup levels.

Border 2020 has five goals and the regional work groups propose projects to implement these goals. These projects are tracked in two-year revolving work plans. The 2015-2016 version is the second of its kind. Several projects have been carried over from the 2013-2014 Action Plan. Due to consensus by the Four State Workgroup, a sixth goal for health and education projects was included. Projects are organized by Border 2020 goals and objectives.

Regional Priorities

1. Improve air quality through the following approaches:
 - a. Increase energy efficiency at the consumption level and the use of renewable energy at all appropriate levels
 - b. Analyze emissions and emission sources in specific air sheds
 - c. A study on the possible health effects caused by climate change
2. Improve water quality by taking the following actions:
 - a. Evaluate the Rio Grande watershed in the region
 - b. Establish enforcement programs to prevent pollution on water bodies on the Mexican side
 - c. Improve water infrastructure as it pertains to treatment systems and distribution in rural areas
3. Address problems of improper waste disposal:
4. Assist communities to build capacity for waste streams: by implementing recycling, household hazardous waste and electronic waste collection and disposal programs and develop comprehensive plans for scrap tire disposal and alternative markets

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5. Expand environmental education related to waste issues
6. Enhance Joint Preparedness for Environmental Response
 - a. Provide HAZMAT training to local first responders to reduce exposure to chemicals as a result of accidental chemical releases and/or spills in the.
 - b. Coordinate emergency preparedness response table top exercise or field exercises.
7. Develop a certified environmental health curriculum to train border community health workers and promotoras on lead, mercury, pesticides, and other heavy metals

Individual Task Force Priorities

Amistad Task Force

1. Generate plans to mitigate the impacts of climate change in Coahuila
2. Establish air quality monitoring stations and exchange data with Texas
3. Develop a database to measure emissions of hydraulic fracturing operations in Coahuila
4. Increased use of alternate and renewable energy sources (such as landfill gas and solar energy)
5. Develop water conservation and reuse programs for irrigation in Coahuila
6. Establish waste management programs in ten municipalities in Coahuila (including used electronics, household hazardous waste management and recycling)
7. Develop and promote scrap tire, recycling and solid waste management programs on the Kickapoo Reservation

Falcon Task Force

1. Conduct a study on the use of methane gas for energy generation in landfills
2. Monitoring of drilling operations in the Eagle Ford Shale and on the Mexican side
3. Finalizing the cross-border contingency plan
4. Generate studies and projects for water reuse and conservation
5. Develop adequate management, alternative markets (such as tire cutters) and ordinances for scrap tires
6. Establish used electronics and household hazardous waste programs in municipalities in the Falcon Task Force
7. Develop a diagnostic study on the generation and alternative markets for construction waste in the Falcon Task Force
8. Develop a workshop on best practices related to public health and environmental education indicators

Gulf Task Force





1. Outreach programs to improve energy efficiency
2. Educate the community on how to improve water quality
3. Improve or develop Industrial Pretreatment, Fats, Oil & Grease Management and Storm Water Programs.
4. Increase environmental awareness and responsibility with regard to solid waste and water related health effects in city residents, rural communities and colonias
5. Healthy Homes training for promotoras along the GTF' US-MX border

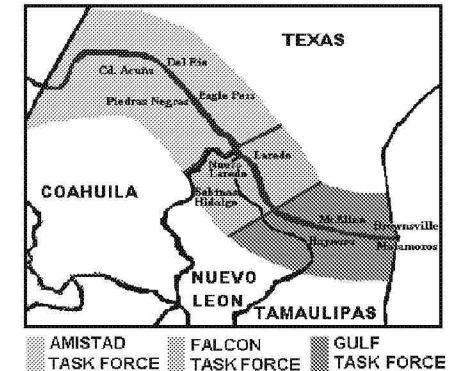
Border 2020

2015-2016 Action Plan Grid

Four-State Regional Workgroup

Legend:

	Activity covers at least two task force areas
	Gulf Task Force
	Falcon Task Force
	Amistad Task Force



Goal # 3: Promote Materials Management, Waste Management, and Clean Sites

Project N°	Description of Project	Collaborating Organizations	Anticipated Cost	Source(s) of funding	Points of Contact(s)	2015-2016 Target	Progress Towards Target
Objective 1: By 2020, increase local and state-level knowledge and experience in the area of sustainable material management practices.							
3.1.01	Environmental Education Program Nuevo Laredo Establish an environmental organization to develop environmental awareness and clean-up programs in Nuevo Laredo in affiliation with Keep America Beautiful.	Keep Laredo Beautiful, Keep America Beautiful, and the Municipality of Nuevo Laredo		City of Laredo Environmental Services local partners, and Keep America Beautiful	Lynne Nava, Keep Laredo Beautiful, lnava1@ci.laredo.tx.us 956-794-1650	Establish an environmental organization affiliated with Keep America Beautiful by 2016.	Keep Laredo Beautiful will be meeting with officials of the Technological University of Nuevo Laredo in August to discuss the project and inquire about their interest in establishing an environmental organization through Keep America Beautiful. Keep Laredo Beautiful has committed to pay

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							membership fees for one year for the organization to be affiliated with Keep America Beautiful.
3.1.02	Characterization Municipal Solid Waste Stream & Diagnosis Regarding Generation/Management of Waste Study and characterize the municipal solid waste stream in Sabinas Hidalgo, Nuevo León. Analyze the generation of solid and "special management" of waste in six border municipalities in Nuevo León.	SDS Nuevo León and Municipio of Sabinas Hidalgo, Nuevo León	\$47,000 US Dollar	Border 2020, BECC	Norma Rangel Sevilla, SDS, Nuevo León, normaarangel@gmail.com 0115281 20 33-19-38	Analyze the generation of solid and "special management" of six border municipalities and characterize the solid waste stream in Sabinas. Complete the study in 2015.	Project completed. The study was finalized in June 2015. More details of the study will be provided at a later date.
3.1.03	Operation of an Electronic and Household Hazardous Waste Stockpile Center	Municipality of Nuevo Laredo, Tamaulipas	\$3.626 Million Pesos MX	Municipality of Nuevo Laredo, Tamaulipas	Arq. Carlos de Anda Secretario de Obras Públicas, Desarrollo Urbano y Medio Ambiente, cdeandah@hotmail.com	Develop a municipal infrastructure for stockpiling, managing, and disposing of electronic and hazardous waste.	The installations are finished. Only authorization from SEMARNAT is needed for operation, which is underway. It is possible for operations to commence in the last trimester of the year.
3.1.04	Environmental Code for the Disposal of Construction Waste	Municipality of Nuevo Laredo, Tamaulipas	The project is funded through money paid by residents for the management and processing of waste.	Municipality of Nuevo Laredo, Tamaulipas	Arq. Carlos de Anda Secretariat of Public Works, Urban Development & the Environment, cdeandah@hotmail.com	Generate an alternative for the community for the disposal of construction waste and mitigate clandestine dumping.	This project has operated continually and generated an important impact to the community. 123 pesos per cubic meter are paid when the waste is no greater than 2 cubic meters. If it is three to ten cubic meters the service cost 88 pesos. If it exceeds 10 cubic meters, in order to leave the program, 100

							pesos are charged per cubic meter.
3.1.05	Clean-up Campaign Keep Pharr Beautiful Support monthly cleanup program Keep Pharr Beautiful with strong public outreach.	Public Works Department, City of Pharr	\$20,000 US Dollar	Border 2020	Grace Gonzalez, Pharr Public Works Department, grace.gonzales@pharr-tx.gov	Reduce illegal dumping in residential and industrial sectors and encourage residents to take responsibility for the beatification of their communities.	The project has ended and the majority of their objectives were attained. Various public awareness events monthly clean-ups were organized. A workshop was organized for the community about the reduction of clandestine dumping. The City plans to continue clean-up campaigns and environmental education activities.
3.1.06	Alamo's Recycling TEAM Includes Everyone Implement the Alamo's Recycling TEAM Includes Everyone (ARTIE) Project, which strives to enhance the management of solid waste in the city.	City of Alamo	\$54,838 US Dollar	Border 2020	Melissa Gonzales, City of Alamo	Increase recycling efforts by at least 25%, increase awareness of non-point pollution and solutions and establish partnerships that will promote environmental stewardship.	Various presentations were organized in 12 different locations in different schools that reached 700 students. Bilingual signs about not littering were posted.
3.1.07	Clean-up of Urban Solid Waste Disposal Site in Guerrero Tamaulipas	SEDUMA, Municipio de Guerrero, Tamaulipas	\$3.169 Millones Pesos MX	SEMARNAT PEF 2015	Dra. Silvia Casas González, SEDUMA, silvia.casas757@gmail.com	Legalize and encourage compliance to NOM-083-SEMARNAT-2003, referring to the closing of disposal sites.	Project was certified by SEMARNAT and the documentation regarding adjudication of resources is in progress.

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3.1.08	Construction and Equipping of the First Phase of Type A Landfill in Río Bravo, Tamaulipas	SEDUMA, Municipio de Río Bravo, Tamaulipas	\$19.359 Millones Pesos MX	SEMARNAT PEF 2015	Dra. Silvia Casas González, SEDUMA, silvia.casas757@gmail.com	Have adequate modern infrastructure for the final disposal of urban solid waste.	Project was certified by SEMARNAT and the documentation regarding adjudication of resources is in progress.
3.1.09	Construction and Equipping of Type A Landfill in the Coal Deposit Region	SEMA, SEMARNAT, Municipalities of Múzquiz y Sabinas	\$25 Millones Pesos MX	SEMARNAT PEF 2015	Oscar Flores, SEMA, Oscar.flores@sema.gob.mx	Construction and operation.	Conduct land studies. Under analysis before request for bids.
3.1.10	Construction and Equipping of Inter-municipal Landfill in the Municipalities of Juárez and Progreso, Coahuila	SEMA, Municipality of Juárez y Progreso	\$8 Millones Pesos MX	PEMEX Hydrocarbon Fund	Oscar Flores, SEMA, Oscar.flores@sema.gob.mx	Construction and operation.	Under analysis before request for bids.
3.1.11	Construction and Equipping of Urban Solid Waste Residual Stations in the Municipality of Múzquiz, Coahuila	SEMA, Municipio de Múzquiz	\$8 Millones Pesos MX	PEMEX Hydrocarbon Fund	Oscar Flores, SEMA, Oscar.flores@sema.gob.mx	Construction and operation.	Under analysis before request for bids.
3.1.12	RECOLECTRÓN Program Recollection program for electronic waste within the municipalities.	SEMA, Municipalities Acuña, Allende, Nava y Sabinas	\$2 Million Pesos MX	SEMA	Griselda Salas Alemán, SEMA, griselda.salas@sema.gob.mx	In 2015 collect 44.91 tons of waste. In 2016 collect 56.14 tons of waste.	To date 44.89 tons of waste has been collected.
3.1.13	Responsible Disposal of Tires	Municipality of Acuña, Coahuila	\$12,000 US Dollar	Municipio de Acuña Coahuila	Biol. Carlos Alejandro Flores Diego, Director of Ecology,	Develop a municipal infrastructure for	There is a regulatory framework that regulates management and a program underway for

	Operation of a scrap tire disposal center. Utilizing three cuts volume and the accumulation of water which are breeding grounds for mosquitos (vectors for dengue fever) are reduced.				floresdiegocarlos@yahoo.com.mx	stockpiling, managing, and disposing of scrap tires.	stockpiling, but an infrastructure is required for final disposal.
3.1.14	Disposal of Electronic and Hazardous Waste Create a stockpile center for the special management of waste, in which	Municipality of Acuña, Coahuila	\$12,500 US Dollar	Municipality of Acuña Coahuila.	Biol. Carlos Alejandro Flores Diego, Director de Ecología, floresdiegocarlos@yahoo.com.mx	Develop a municipal infrastructure for stockpiling, managing, and disposing of electronic and hazardous waste.	The regulatory framework was approved as well as an alteration to municipal regulations regarding the environment to approve an operating license for 6 months and certification of training workshops. Partnership with CECART#197 for certification.
3.1.15	Scrap-Tire Management Program Design and implement a state scrap-tire management program that includes valuation.	SEDUMA Tamaulipas	\$ 400 Million Pesos MX	SEDUMA, SEMARNA, EPA	Biol. Jorge García, jgarciah@tamaulipas.gob.mx 834 1078291	Work with cities located on the northern border of the State to regulate a temporary stockpile system for used tires.	The State authorized the business, ECONEU of Reynosa, to operate the Recycle Plant and Scrap Tire Processor, of which they anticipate to break down 100,000 scrap tires annually.